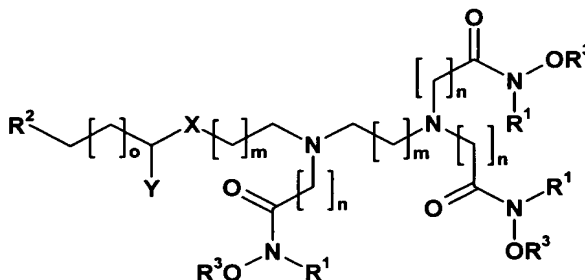


This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

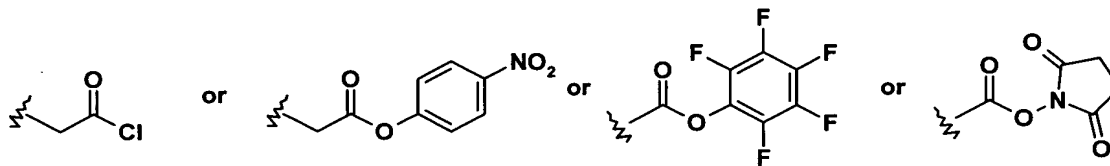
1. (Currently Amended) A compound having the formula:



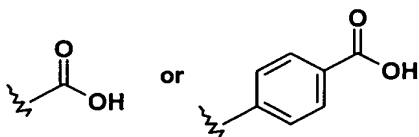
where:

- $n, m$  and  $o$  are, independently, an integer from 1 to about 4;
- $X$  is  $CH_2$ , ~~nitrogen~~  $(N(R^4))$ , oxygen or sulfur;
- $Y$  is hydrogen, hydroxyl,  $=O$  (~~carbonyl~~),  $N(R^4)(R^5)$ , or  $=S$ ;
- $R^1$  is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;
- $R^2$  is ~~an active group such as~~ an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;
- $R^3$  is hydrogen or a protective group;
- $R^4$  is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and
- $R^5$  is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

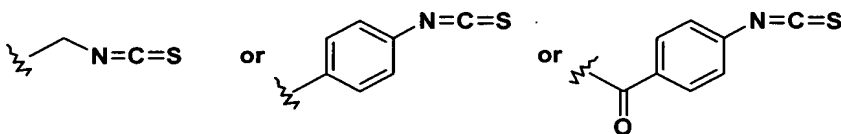
2. (Currently Amended) The compound of claim 1 wherein the activated ester is:



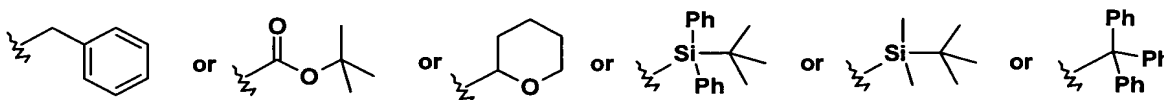
3. (Currently Amended) The compound of claim 1 wherein the carboxylic acid group is:



4. (Currently Amended) The compound of claim 1 wherein the isothiocyanato group is:



5. (Currently Amended) The compound of claim 1 wherein  $R^3$  is hydrogen or a protective group that is:



6. (Original) The compound of claim 1 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl.

7. (Original) The compound of claim 1 wherein n is equal to 1 or 2 and m is equal to 1 or 2.

8. (Currently Amended) The compound of claim 1 wherein:

n or m or o is 1 or 2;

X is ~~nitrogen~~-(N( $R^4$ )) or oxygen;

Y is hydrogen or =O (~~carbonyl~~);

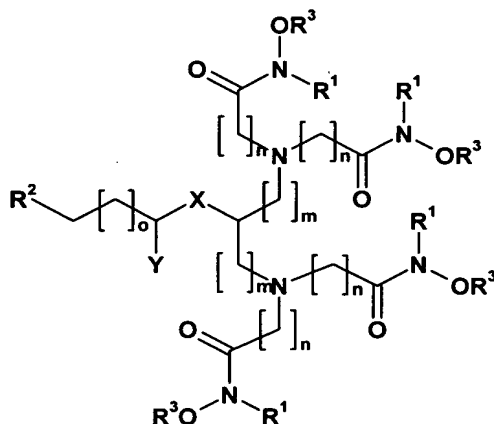
$R^1$  is hydrogen or methyl;

$R^2$  is ~~an activated ester such as~~ *p*-nitrophenyl ester;

$R^3$  is hydrogen or tert-butyl diphenylsilyl; and

$R^4$  is methyl, ethyl, propyl or butyl.

9. (Currently Amended) A compound having the formula:



where:

n, m and o are, independently, an integer from 1 to about 4;

X is CH<sub>2</sub>, ~~nitrogen~~(N(R<sup>4</sup>)), oxygen or sulfur;

Y is hydrogen, -OH (~~hydroxyl~~), =O (~~carbonyl~~), N(R<sup>4</sup>)(R<sup>5</sup>), or =S;

R<sup>1</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

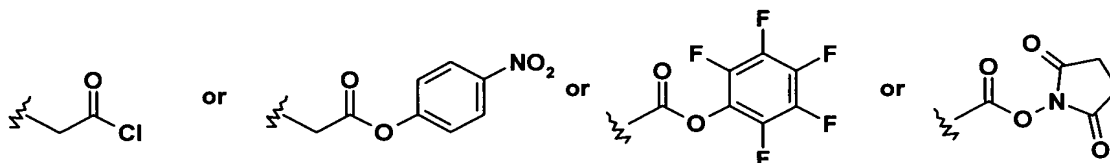
R<sup>2</sup> is ~~an active group such as~~ an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;

R<sup>3</sup> is hydrogen or a protective group;

R<sup>4</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and

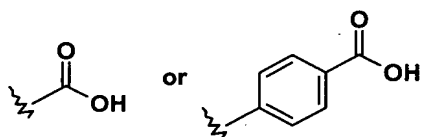
R<sup>5</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;.

10. (Currently Amended) The compound of claim 9 wherein the activated ester is:

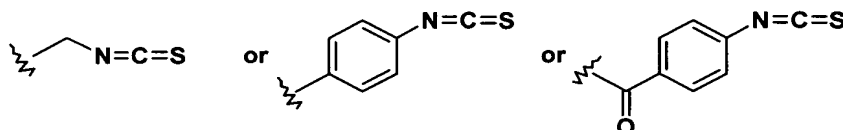


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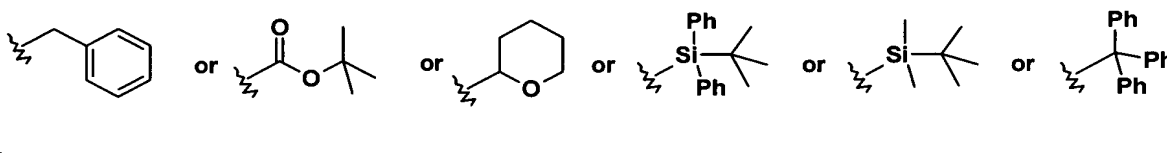
11. (Currently Amended) The compound of claim 9 wherein the carboxylic acid group is:



12. (Currently Amended) The compound of claim 9 wherein the isothiocyanato group is:



13. (Currently Amended) The compound of claim 9 wherein  $R^3$  is hydrogen or a protective group which is:

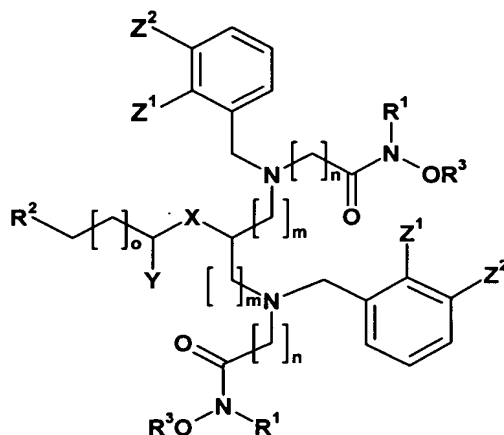


14. (Original) The compound of claim 9, wherein the protecting group is tert-butoxycarbonyl or benzyloxycarbonyl.

15. (Currently Amended) The compound of claim 9 wherein:

- n or m or o is 1 or 2;
- X is ~~nitrogen~~-( $N(R^4)$ ) or oxygen;
- Y is hydrogen ~~or~~  $=O$  (carbonyl);
- $R^1$  is hydrogen or methyl;
- $R^2$  is ~~an active ester such as~~ *p*-nitrophenyl ester;
- $R^3$  is hydrogen or tert-butyldiphenylsilyl; and
- $R^4$  is methyl, ethyl, propyl or butyl;

16. (Currently Amended) A compound having the formula:



where n, m and o are, independently, an integer from 1 to about 4;

X is CH<sub>2</sub>, ~~nitrogen~~-(N(R<sup>4</sup>)), oxygen or sulfur;

Y is hydrogen, -OH (~~hydroxyl~~), =O (~~carbonyl~~), N(R<sup>4</sup>)(R<sup>5</sup>), or =S;

R<sup>1</sup> is hydrogen, alkyl having 1 to 4 carbon atoms, or a protective group;

R<sup>2</sup> is ~~an active group such as~~ an activated ester, a carboxylic acid, or a leaving group;

R<sup>3</sup> is hydrogen or a protective group;

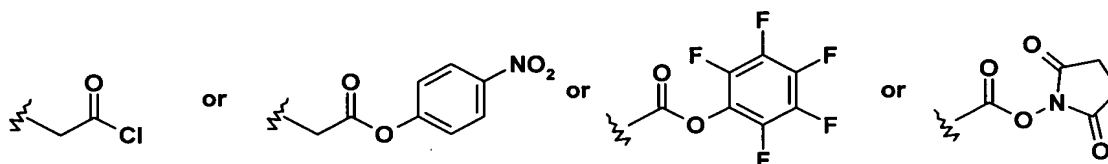
R<sup>4</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

R<sup>5</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

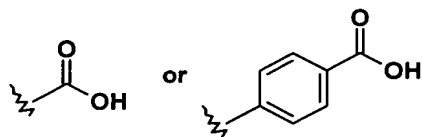
Z<sup>1</sup> is hydrogen, ~~nitrogen, oxygen, or sulfur~~ N(R<sup>4</sup>)(R<sup>5</sup>), -OH, =O, or =S; and

Z<sup>2</sup> is hydrogen, ~~nitrogen, oxygen, or sulfur~~ N(R<sup>4</sup>)(R<sup>5</sup>), -OH, =O, or =S.

17. (Currently Amended) The compound of claim 16 wherein the activated ester is ~~selected from the group comprising:~~

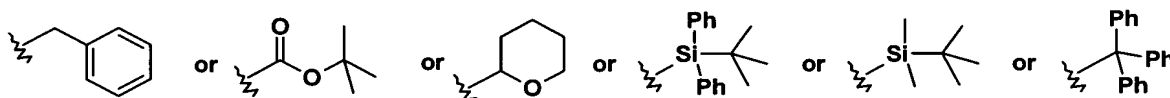


18. (Currently Amended) The compound of claim 16 wherein the carboxylic acid group is:

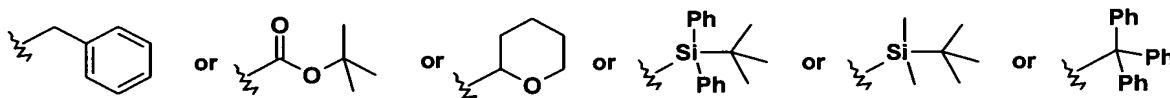


19. (Canceled)

20. (Currently Amended) The compound of claim 16 wherein  $R^3$  is hydrogen or a suitable protective group which is:



21. (Currently Amended) The compound of claim 16 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl: or



22. (Currently Amended) The compound of claim 16 wherein:

n or m or o is 1 or 2;

X is ~~nitrogen~~-( $N(R^4)$ ) or oxygen;

Y is hydrogen or =O (~~carbonyl~~);

$R^1$  is hydrogen or methyl;

$R^2$  is ~~an activated ester~~ such as *p*-nitrophenyl ester;

$R^3$  is hydrogen or tert-butyldiphenylsilyl;

$R^4$  is methyl, ethyl, propyl or butyl;

$Z^1$  is ~~oxygen (phenol)~~ -OH; and

$Z^2$  is hydrogen or ~~oxygen (phenol)~~; -OH.

23. (Original) A pharmaceutical composition comprising a compound according to claim 1 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

24. (Original) A pharmaceutical composition comprising a compound according to claim 9 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

25. (Original) A pharmaceutical composition comprising a compound according to claim 16 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

26. (Original) A method comprising administering to an animal a compound of claim 1 complexed with a radionuclide.

27. (Original) The method of claim 26 further comprising detecting said radionuclide in said animal.

28. (Original) A method comprising administering to an animal a compound of claim 9 complexed with a radionuclide.

29. (Original) A method comprising administering to an animal a compound of claim 16 complexed with a radionuclide.

30. (Canceled)

31. (Currently Amended) The method of claim ~~30~~ 34 further comprising the step of detecting said radionuclide in said animal.

32. (Canceled)

**DOCKET NO.:** DRXI-0144  
**Application No.:** 10/634,335  
**Office Action Dated:** March 8, 2005

**PATENT**

33. (Canceled)

34. (New) A method comprising administering to an animal in need thereof a compound according to claim 1 complexed with a radionuclide.

35. (New) A method comprising administering to an animal in need thereof a compound according to claim 9 complexed with a radionuclide.

36. (New) A method comprising administering to an animal in need thereof a compound according to claim 16 complexed with a radionuclide.